

ATTACHMENT F

Minor Project Refinement Request Form

**SANGER SUBSTATION EXPANSION PROJECT
MINOR PROJECT REFINEMENT REQUEST FORM**

Proposed Minor Project Change Type:	Request #	Determination

Comments and Conditions of Approval

Part A: Proposed Minor Project Change Summary

Date Submitted:	Requested Approval Date:	Start Date:	Expected End Date:
Submitted by:	Organization and Title:	Duration and Work Hours:	

Location(s): (Describe applicable location(s), address, and/or dimensions)

Proposed Action(s): (List and describe each proposed action)

Purpose(s): (Explain why the proposed action(s) are necessary)

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Part B: Existing Conditions			
Current and Adjacent Land Use(s):			
Has landowner approval been granted? <i>(Describe below)</i>		Landowner:	Date of Approval:
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Approval Verified by:
			

Surveys <i>(List any new survey reports under Part D, attach a copy, and describe relevant survey details under the applicable resource category listed in the Part E)</i>		
Biological Resources. Were all sites associated with the proposed action(s) surveyed for biological resources with the potential to occur in the area? If so, were survey results positive or negative? Were surveys completed during the appropriate timing and season to detect resources? <i>(If not, describe under the applicable resource category in Part E)</i>	<input type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input type="checkbox"/> Negative
	<input type="checkbox"/> N/A	
Cultural Resources. Were all sites associated with the proposed action(s) surveyed for cultural resources (records search and pedestrian survey)? If so, were survey results positive or negative?	<input type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input type="checkbox"/> Negative
	<input type="checkbox"/> N/A	
Hydrology. Were all sites associated with the proposed action(s) surveyed for hydrologic resources? If so, were survey results positive or negative?	<input type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input type="checkbox"/> Negative
	<input type="checkbox"/> N/A	

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**Part C: Permits, Agency Approvals, and impacts avoidance measures (E.g., APMs and MMs)
(List any new permits or agency approvals under Part D, attach a copy, and describe relevant details under the applicable resource category listed in Part E)**

Have all required permits, permit amendments/authorizations, or agency approvals been issued by resource agencies with applicable jurisdiction?	<input type="checkbox"/> Previously Provided	
	<input type="checkbox"/> Authorization Attached	
	<input type="checkbox"/> N/A	
Would the proposed action(s) conflict with permit conditions or agency approvals?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Would the proposed action(s) conflict with project applicant proposed measures, avoidance and minimization measures, or mitigation measures listed in Final EIR?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

**Part D: List of Previous Survey Reports and List of Attached Materials: (e.g., surveys, maps, photos, memos, agency authorizations, etc.)
Provide a list of materials here that will be included as attachments to this request form; name these Attachment 1, Attachment 2, etc.**

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Complete the Final IS/MND Consistency Checklist below (Part E) and answer the consistency questions for each resource category. Include a description and justification below each resource category, as necessary. The consistency questions were developed using the CEQA Checklist provided in the Final IS/MND. Refer to the Final IS/MND for the details on the project impact evaluation.

Part E: Final EIR Consistency Checklist			
Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact to:	No Change	Potentially Significant Change	N/A
Aesthetics (e.g., damage scenic resources or vistas, degrade the existing visual character of the site and its surroundings, or create sources of light or glare)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture and Forestry Resources (e.g., convert Farmland to nonagricultural use, or create a conflict with existing agricultural zoning or a Williamson Act)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Quality (e.g. produce additional emissions, or expose sensitive receptors to additional pollutants)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biological Resources (e.g., cause an adverse effect to sensitive or special-status species, or impact riparian, wetland, or any other sensitive habitat, or conflict with local policies or ordinances protecting biological resources)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cultural and Paleontological Resources (e.g., cause adverse change to a historical, archeological, or paleontological resource)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geology and Soils (e.g., cause or expose people or structures to geologic or soil hazards, including erosion or loss of topsoil)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greenhouse Gases (e.g., generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Part E: Final EIR Consistency Checklist			
Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact to:	No Change	Potentially Significant Change	N/A
<p>Hazards and Hazardous Materials (e.g., create or increase the exposure of people or structures to hazardous materials or wildland fires, involve the use of additional hazardous materials or equipment, or interfere with an adopted emergency plan)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Hydrology and Water Quality (e.g., degrade water quality, discharge waste or sediment, deplete groundwater, alter the existing drainage pattern, create additional runoff water or polluted runoff, place structures in a 100-year flood hazard area, or expose people or structures to a significant risk involving flooding)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Land Use (e.g., conflict with a land use plan, policy, or regulation of an agency with jurisdiction over the project, or conflict with a habitat conservation plan)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Noise (e.g., expose sensitive receptors to additional noise or vibration)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Public Services (e.g., result in adverse impacts to government facilities that provide public service, such as fire protection, police protection, schools, and parks)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Recreation (e.g., increases the use of, or cause adverse effects to, parks or other recreational facilities)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Transportation and Traffic (e.g., increase traffic congestion or degrade performance of the circulation system, taking into account all modes of transportation, or increase hazards due to a design feature)? <i>Final IS/MND:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Part E: Final EIR Consistency Checklist			
Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact to:	No Change	Potentially Significant Change	N/A
Utilities and Service Systems (e.g., result in construction of new, or expansion of existing, water facilities, stormwater drainage facilities, require additional water entitlements, or creation of new solid waste disposal needs)? <i>Final IS/MND:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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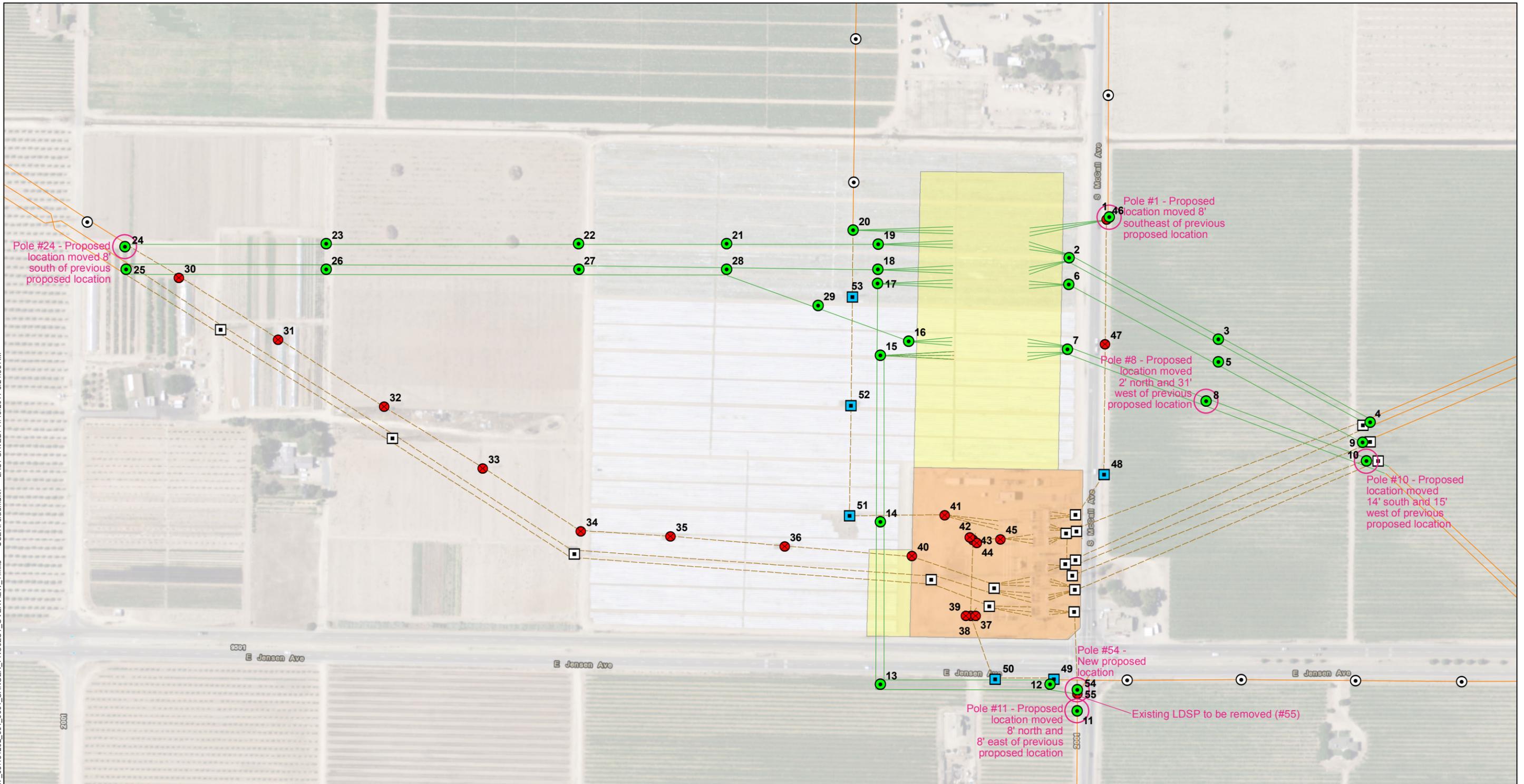
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As we briefly discussed at our latest meeting, the following minor changes to the project design have occurred during final engineering, subsequent to issuance of the PTC. The “power line reconfiguration” component of the project design, as discussed in the MND (March 2017), includes replacing 18 wood poles and 17 Lattice Steel Towers (LSTs) with approximately 29 Tubular Steel Poles (TSPs). The final design now proposed is to replace 18 wood poles and 17 LSTs with 28 TSPs and 2 wood poles.

After further refinement of engineering design, the two new wood poles will replace one existing LDSP pole and one previously proposed TSP south of the substation. PG&E is proposing to use wood poles instead of TSPs because an existing gas line was discovered in the area, and the wood poles would avoid any arc-flash hazards. The locations of four other TSPs have also been adjusted as described below. These changes are shown in the attached and revised figures accompanying this summary. Specifically, they include:

- Pole #11– A TSP was previously proposed in this location immediately south of E. Jensen Avenue near the southeast corner of the substation. During final design, it was determined that the proposed TSP would need to be replaced with a new wood pole and the location offset from the previous location slightly by 8 feet north and 8 feet east. This new wood pole will require two guy lines and one anchor. The pole type and location were changed due to the presence of an existing gas line.
- Pole #54 – During final design, it was determined that a new wood pole rather than a TSP would be required in this location due to the presence of the existing gas line.
- Pole #55 – The existing LDSP in this location would be removed and the new wood pole (pole #54) would be placed 10’ north of the existing pole #55.
- Pole #1 – The location of this new TSP, near the northeast corner of the planned substation expansion footprint and east of S. McCall Avenue, would move approximately 8’ south of the previous location. This pole was shifted away from S. McCall Avenue due to new restrictions on clearances from Fresno County.
- Pole #10 – This pole is located in an agricultural field approximately 750’ east of the existing substation. The location of this pole is proposed to be moved approximately 14’ south and 15’ west of its previous location. The decision to move Pole #10 was done to move further away from the existing tower near this location to avoid the tower foundation during construction. A new location was proposed out of the agricultural field and closer to the access road for ease of construction.
- Pole #8 – This proposed TSP, located west of S. McCall Avenue, would move approximately 2’ north and 31’ west from its previous location. Due to the change in location of Pole #10, pole #8 had to be moved to accommodate the new angle of the line.
- Pole #24 – Pole 24 is located approximately 2,100 feet to the west of the substation, just east of S. Thompson Avenue. As compared to its previous location, this pole would move approximately 8’ to the south to relocate it out of the existing farm access road.

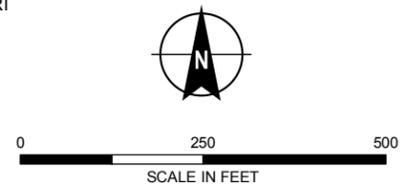
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- | | | | |
|--|--|--|---|
| | NEW POLE TO BE INSTALLED | | PLANNED NEW POWER LINE |
| | EXISTING POLE TO REMAIN | | EXISTING POWER LINE TO REMAIN |
| | EXISTING TOWER TO BE REMOVED | | POWER LINE TO BE REMOVED (UNDERBUILD TO REMAIN) |
| | EXISTING POLE TO BE REMOVED | | EXISTING SUBSTATION FOOTPRINT |
| | EXISTING POLE TO BE TOPPED | | PLANNED SUBSTATION EXPANSION FOOTPRINT |
| | PREVIOUS LOCATION OF NEW POLE TO BE INSTALLED | | |
| | AREA WHERE PROPOSED POLE LOCATION WAS MOVED OR ADDED | | |

NOTES

1. THIS FIGURE IS BASED ON FIGURE 2-2, PROJECT OVERVIEW MAP, PRODUCED BY CARDNO FOR PG&E, DATED 9/1/2016.
2. AERIAL IMAGERY SOURCE: ESRI



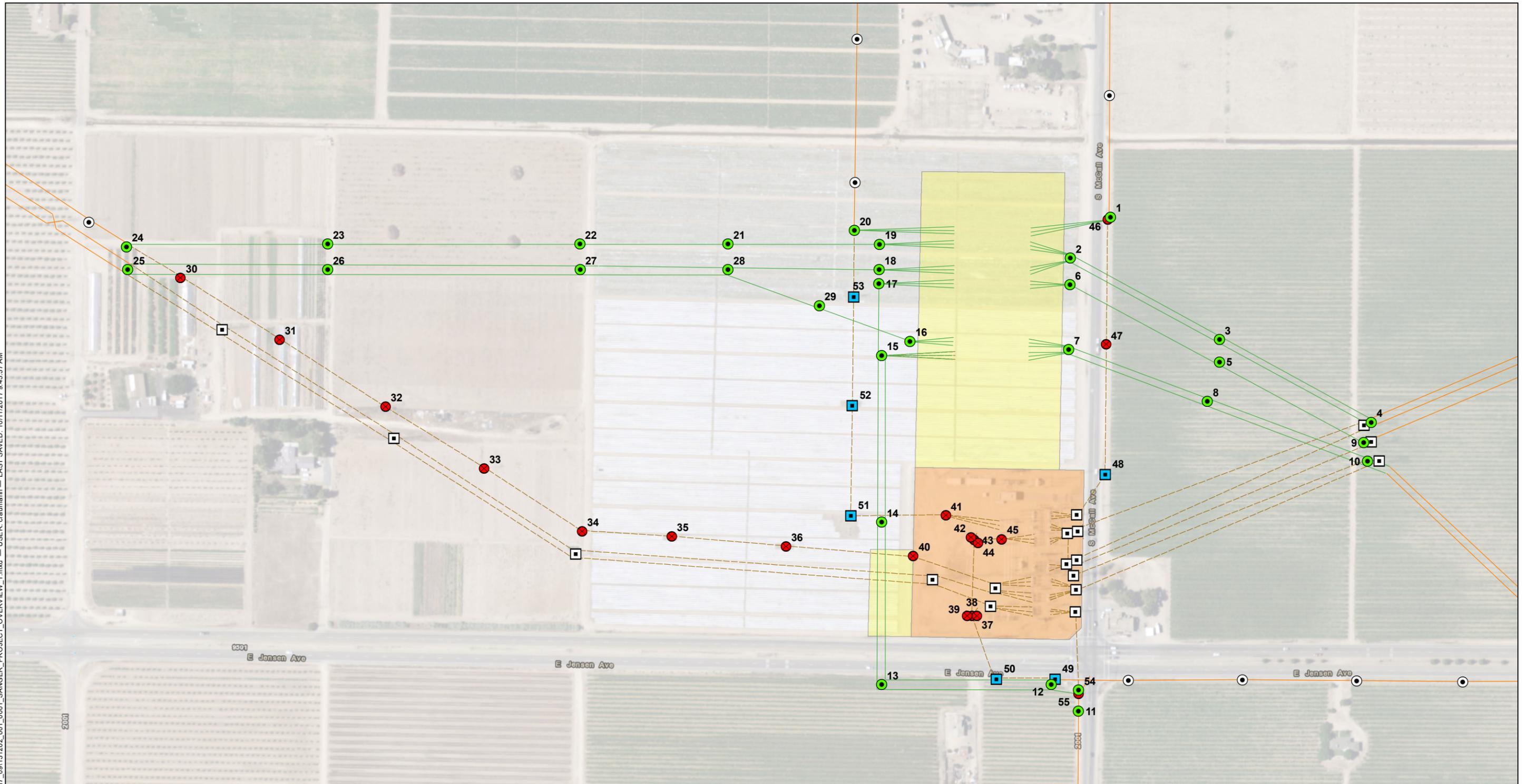
HALEY ALDRICH PG&E SANGER SUBSTATION EXPANSION PROJECT
FRESNO COUNTY, CALIFORNIA

PROPOSED PROJECT CHANGES

NOVEMBER 2017

FIGURE 1

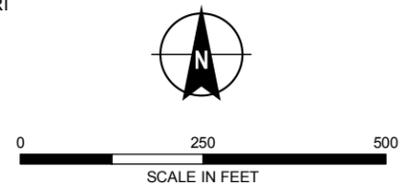
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- | | | | |
|---|------------------------------|-------|---|
| ● | EXISTING POLE TO REMAIN | — | PLANNED NEW POWER LINE |
| □ | EXISTING TOWER TO BE REMOVED | — | EXISTING POWER LINE TO REMAIN |
| ● | EXISTING POLE TO BE REMOVED | - - - | POWER LINE TO BE REMOVED (UNDERBUILD TO REMAIN) |
| ■ | EXISTING POLE TO BE TOPPED | ■ | EXISTING SUBSTATION FOOTPRINT |
| ● | NEW POLE TO BE INSTALLED | ■ | PLANNED SUBSTATION EXPANSION FOOTPRINT |

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PG&E SANGER SUBSTATION EXPANSION PROJECT
FRESNO COUNTY, CALIFORNIA

REVISED PROJECT OVERVIEW

OCTOBER 2017

FIGURE 2